

**RESOLUTION BY  
CITY UTILITIES COMMITTEE**

**01- 2-1957**

**A RESOLUTION AUTHORIZING THE MAYOR TO APPROVE AN AMENDED NOTICE TO PROCEED WITH WILLIAMS, RUSSELL & JOHNSON, INC., FOR INDIAN CREEK TRUNK SEWER DESIGN PROJECT, IN AN AMOUNT NOT TO EXCEED SIX HUNDRED NINETY THOUSAND NINE HUNDRED DOLLARS AND NO CENTS (\$690,900.00). ALL CONTRACTED WORK SHALL BE CHARGED TO AND PAID FROM FUND, ACCOUNT AND CENTER NUMBERS: 1C33 524001 M24I012692BB - \$18,496.74; 1C37 574001 M24I012692BB - \$348,555.44; 1C39 574001 M24I012692BB - \$323,847.82.**

**WHEREAS, the Department of Public Works is in need of additional design services and construction support services for the Indian Creek Trunk Sewer Design Project; and**

**WHEREAS, the Consultant performed satisfactorily in preparing the initial design for the project and all subsequent changes thereto; and**

**WHEREAS, the Commissioner of the Department of Public Works and the Director of the Bureau of Purchasing and Real Estate have recommended that an amended notice to proceed be issued to Williams, Russell & Johnson, Inc. for Indian Creek Trunk Sewer Design Project in the amount of Six Hundred Ninety Thousand Nine Hundred Dollars and No Cents (\$690,900.00).**

**NOW THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF ATLANTA, GEORGIA, that the Mayor approve an amended notice to proceed with Williams, Russell & Johnson, Inc. for Indian Creek Trunk Sewer Design Project, in an amount not to exceed Six Hundred Ninety Thousand Nine Hundred Dollars and No Cents (\$690,900.00).**

**BE IT FURTHER RESOLVED, that the Director of the Bureau of Purchasing and Real Estate be and is hereby directed to prepare and execute an appropriate notice to proceed approved by the Mayor.**

**BE IT FURTHER RESOLVED, that this contractual agreement shall not become binding on the City, and the City shall incur no liability upon same until such contract has been executed by the Mayor and delivered to the contracting party.**

**BE IT FURTHER RESOLVED, that all services for said contracted work shall be charged to and paid from fund, account and center numbers: 1C33 524001 M24I012692BB - \$18,496.74; 1C37 574001 M24I012692BB - \$348,555.44; 1C39 574001 M24I012692BB - \$323,847.82.**

**bpre 1192001**



## CITY OF ATLANTA

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SUITE 4700, CITY HALL - SOUTH  
(404) 330-6240  
FAX (404) 658-7552  
email: publicworks@ci.atlanta.ga.us


BILL CAMPBELL  
MAYOR

DEPARTMENT OF PUBLIC WORKS  
Norman A. Koplon, P.E.  
Interim Commissioner  
David Peters, P.E.  
Deputy Commissioner  
John W. Griffin, Jr.  
Deputy Commissioner  
Garney Ingram-Reid  
Deputy Commissioner

November 6, 2001

### MEMORANDUM

To: Felicia Strong Whitaker, Director  
Bureau of Purchasing and Real Estate

Fr: Ladun Esan, P.E., Infrastructure Manager  
Department of Public Works 

Re: Indian Creek Sanitary Sewer Improvements  
Engineering Support During Construction  
Amendment No. 1 - Revised Proposal

Attached please find supporting documentation for Amendment Number for engineering support services during construction for the Indian Creek Sanitary Sewer Improvements Project.

This amendment provides for a full scope of engineering services that includes re-evaluation of the design flows, replacement of existing sewer using the open cut method while examining alternate means of construction using trench-less technologies. Pipe materials in the original design are to be changed from reinforced concrete pipe (RCP) to ductile iron pipe (DIP), with appropriate coating, or other suitable material as deemed by the City. Bedding design will also be revised to be appropriate for the type of pipe selected for this project.

The Department of Public Works has reviewed the following paperwork and finds it necessary and in the City's best interest to accept Amendment Number One and ask that the Bureau of Purchasing and Real Estate prepare appropriate legislation required for Council approval in an amount of Six Hundred Ninety Thousand Nine Hundred Dollars and No Cents (\$690,900.00).

If you need additional information or need to reach me, I can be contacted at extension 6526.

#### Attachment(s):

Cc: Norman Koplon, P.E., DPW  
David Peters, P.E., DPW  
John W. Griffin, Jr., DPW  
Garney Ingram Reid, DPW  
Ade Abon, P.E., DPW  
Johnson Adefila, DPW  
Willie Canidate, DPW  
Vivian Chapman, DPW  
Pamela Lewis, BPRE  
Susan Bronston Sullivan, OCC  
Eskender Abebe, CH2M Hill/TOC, JV  
File

***PROPOSAL  
Amendment  
FOR***

***CITY OF ATLANTA***

***INDIAN CREEK DRAINAGE BASIN  
SANITARY SYSTEM  
AMENDMENT TO ENGINEERING SERVICES  
And  
SERVICES DURING CONSTRUCTION***

***WILLIAMS-RUSSELL AND JOHNSON, INC.  
771 Spring Street, NW  
Atlanta, GA 30308***

**SEPTEMBER 2001**

## **PROJECT BACKGROUND**

In July, 1991, Williams-Russell and Johnson, Inc., (WRJ) submitted design drawings and technical specifications to the City of Atlanta for the construction of the Indian Creek Drainage Basin Sewer. The Indian Creek Drainage Basin includes the rapidly growing northeast area of Atlanta, which includes the Lenox Square Shopping Center, and many newly constructed condominiums and apartments along Lennox Road. In addition, many office and commercial building have been constructed or are planned to be constructed in this area.

The Indian Creek Drainage Basin is located in Land Lots 7, 8, 9 and 46 of the 17<sup>th</sup> District within the city limits of Atlanta. The total service area is approximately 1296 acres. Of this total acreage, 312 acres lies within Dekalb County and the rest (984) lies within the city limits of Atlanta. The Indian Creek Drainage Basin is bounded on the north by Peachtree Road, on the east by the city limits, on the west by Piedmont Road and on the south by Peachtree Creek. Peachtree and Lennox Roads are major highways, Roxboro Road is a major street running from Peachtree Road in the extreme north and intersecting with Shadey Valley Road at the south end of the study area. Lenox Square, a major shopping center is located in the northwest.

The existing sewers in the Indian Creek Drainage Basin range from a 8-inch to 24-inches, with a total length of 27,000 feet. The various sub-basins that constitute the system are:

1. Eulalia Outfall
2. Highland Trunk
3. Dale Drive Outfall
4. Roxboro and Kingsboro Outfall
5. Dale Drive Outfall

The sewer was not built at that time of the original study. The City has now decided to build the sewer, and has requested WRJ to re-evaluate and update the design drawings and specifications. This work involves the re-evaluation of the design flows, pipe and bedding materials and any issues related to erosion and sediment control must be considered.

The proposed project phases are:

4. Preliminary Report
5. Detailed Design
6. Permitting
7. Bidding and Negotiation
8. Construction

Owner: \_\_\_\_\_ Consultant: \_\_\_\_\_

### **Original Scope of Project:**

1. The proposed sewer routing will be a part of the current rout of Eulalian Outfall and Highland Trunk, or near this rout in the Indian Creek Drainage Basin. A field survey will be performed to verify conditions in the area of the sewer.
2. The original design called for the replacement of the existing sewer using the open cut method. WRJ will examine alternate means of construction using trench-less technologies.
3. Easements previously drawn will be checked against current property owners and conflicts with new construction since the previous design was completed and will be identified as such. New easement maps will be prepared as necessary.
4. Actions will concern the projection of the future peak wastewater flow rate and sizing of the sewer lines to be constructed. WRJ will perform a new evaluation employing currently available sewer system user data, population growth estimates for the area, current zoning delineations, infiltration/inflow estimates and other data to develop an updated future peak wastewater flow rate. Of the two approaches, the second would provide a more current and thus, in theory, more accurate estimate. Based on conversations with the City of Atlanta, DPW staff, it is recommended that the 1987 design calculation and flow projections be updated.
5. Pipe materials in the original design will be changed from reinforced concrete pipe (RCP) to ductile iron pipe (DIP), with appropriate coating, or other suitable material as directed by the City. Bedding design will be revised to be appropriate for the type of pipe selected.
6. The manholes will be replaced or rebuilt with pre-cast, reinforced concrete manholes.
7. The technical specifications will be re-written. The original specifications are generally unusable because of anticipated changes in materials, pipe bedding, changes to the area, and new permitting requirements.

Owner: \_\_\_\_\_ Consultant: \_\_\_\_\_

**I. Preliminary Design Phase – Develop the requirements of the project for submittal to the City of Atlanta.**

- A.** Provide site reconnaissance review of the sewer design layout proposed in the 1991 documents and determine the extent to which these documents need to be revised to meet Owners requirements. This shall include staking of proposed route by survey crew.
- B.** Update existing survey to reflect current conditions. Field locate all existing manholes of the existing Highland trunk and Eulalia trunk sewers and their tributaries. Please note that DPW has indicated that it has drawings of all facilities, which have been constructed through 1999. It is uncertain if these drawings can be used. If not, there will be the need for additional survey.
- C.** The Engineer will recommend whether the new trunk sewer should be placed in the exact location of the existing trunk sewer, or whether it is more advantageous to place it along side the existing sewer. Project design will evaluate removal and enlargement of low level sewer versus upper level sewer given the changed field conditions. Enlargement of the lower level sewer may involve transfer of service lines which feed into the upper sewer. Locations of service lines can be determined from video, which DPW has. Cost and pros and cons of each option will be determined with DPW input.
- D.** Verify the hydraulic capacity of the proposed 36" diameter trunk sewer to ensure that it will be sufficient to meet the 2050-year build out needs for the drainage basin. Provide updated hydraulic analysis of system. The client requests that the analysis consider that the current subdivisions in the Buckhead area could be converted to high-rise buildings with higher densities in later years. Please note that 1991 design was developed based on maximum build-out utilizing zoning in effect in 1991. If zoning has changed, design flows will have to be redeveloped.
- E.** Attend two (2) pre-design meetings with the City to discuss design considerations.
- F.** Prepare Final Design Report for approval by COA.

Owner: \_\_\_\_\_ Consultant: \_\_\_\_\_

**II. Design Phase – Revise the existing drawings and write new specifications that will meet current standards and address selected materials.**

**Conduct Field Survey Work for Design**

1. Resurvey centerline of sewer alignment based on 1991 designs – also pick up property pins observed.
  2. Set benchmarks @ 1000 feet +/- for construction (outside construction limits).
  3. Locate apparent structural changes 50 feet left or right of centerline.
  4. Locate visible utilities and those marked by utility owners.
  5. Stake up to 1000 feet of new alignment based on possible changes.
  6. Mark permanent and construction easements for easement acquisition purposes
  7. Revise and update plats based on name changes, etc. Research easements as required. Obtain Easements and plats required for sewer construction. City of Atlanta will negotiate with owners of properties on COA right of way.
- A. Prepare construction drawings for the length of sewer currently included in the 1991 drawings (all four phases). Conduct quality assurance/quality control review at each point in the design process.
1. Modify existing drawings to accommodate any changes to materials of construction, proposed route, easement acquisitions, or constructability issues. Wherever is applicable, the need for micro tunneling or pipe bursting versus traditional open cut construction for removal and replacement of sewers will be determined as part of the design. Recommendations will be made showing the method of pipe replacement and the location of pipes.
  2. Prepare specifications for project in CSX format for using standard DPW front-end documents. WRJ will also prepare bid sheets and general and special conditions.
  3. Prepare the design drawings based on the above survey and the revisions in the alignment. Develop erosion and sediment control plans of Indian Creek Basin based on current regulations as part of the design drawings.
  4. Provide the variance for the 25' stream buffer and Erosion and Sedimentation Control Plan to the contractor for use in the Land Disturbance Permit application. Apply for variances as needed.
  5. Submit plans and specifications to the Georgia EPD and obtain approval.
  6. Provide one set of reproducible drawings and six sets of specifications to the City.
  7. Additional sets of construction documents (drawings and specifications) will be provided as follows:
    - Six sets full size of blue prints
    - Six sets of half size of blue prints in book form.

Owner: \_\_\_\_\_ Consultant: \_\_\_\_\_

- B. Provide six sets of technical specifications according to new materials of construction and new standards. Specifications will be based on the latest edition of the City of Atlanta Standard Specifications (Contract documents and bid documents may be prepared by the City of Atlanta and added to the design drawings and technical specifications to create a complete bid package).
- D. Prepare final opinion of the estimated cost of construction of the project, based on the revised drawings and specifications at the completion of design.
- E. Prepare for and attend monthly (12) progress meetings with the City and their project manager during the design phase.
- F. Prepare soil and erosion control plans for the project.

Owner: \_\_\_\_\_ Consultant: \_\_\_\_\_



## **Additional Services Required for changes in Scope:**

### **Additional Engineering Design Services (See Appendix A for cost)**

1. Prepare rehabilitation plans and specifications to rehabilitate the Existing Highland Sewer in areas where it is to remain in-place and plans and specifications to rehabilitate the Existing Eulalia Sewer in areas where it is to remain in-place.
2. Revise plans to accommodate changes in alignment near the Cottages at Lennox as a result of negotiations with property owners and at the request of the City of Atlanta.
3. Prepare plans and specifications for connecting the proposed sewer along Ferncliff Road to the Highland Sewer west of the MARTA Rail lines.
4. Prepare plans and specifications for alignment changes along the Plantation at Lennox complex.
5. Prepare engineering calculations and design plans and specifications to accommodate 72,000 gpm of additional flow to accommodate new development in the drainage basin until all phases of the project are constructed at the request of the COA.
6. Repackage plans and specifications to meet changing bid requirements.
7. Provide Bid phase services. The engineer will:
  - a. Provide bidding assistance
  - b. Attend Prebid conferences
  - c. Respond and issue addenda Clarify and modify the contract documents when necessary and incorporate addenda into documents
  - d. Assist city with opening bids, preparing bid tabulations, evaluating bids and make recommendations for award of contract.
  - e. Conduct pre-construction meeting

### **Surveying Services (See Appendix B for cost)**

8. Provide additional survey for route along Ferncliff Road and for the connection of this area to the Highland sewer west of the MARTA Rail Lines as requested by City of Atlanta in upper reaches in the Highland Sewer.
9. Set Benchmarks; locate utilities, stake new alignment at 100 ft intervals, mark permanent and construction easements.
10. Prepare plats and drawings to obtain easements.
11. Re-staking and survey changes as a result of changes to alignment requested by COA after meetings with homeowners

### **Geotechnical Services (See Appendix C for cost)**

12. Provide additional geotechnical services for route along Ferncliff Road and for the connection of this area to the Highland sewer west of the MARTA Rail Lines as requested by City of Atlanta in upper reaches in the Highland Sewer.
13. Provide rock borings to refusal at locations along sewer as determined by engineer and city of Atlanta.

Owner: \_\_\_\_\_ Consultant: \_\_\_\_\_

## **Landscape and Tree Protection / Arborist Services (See Appendix D for cost)**

### **14. Inventory and Analysis**

#### **Program Review**

Consultant shall meet with the City Arborist, Engineer and Owner to review and discuss in detail the requirements of the City of Atlanta Tree Preservation Ordinance and Administrative Guidelines.

#### **Site Inspection and Analysis**

Consultant shall walk and inspect the site to become familiar with existing site conditions such as existing trees, slopes, and other factors that may influence tree preservation calculations and tree replacement locations. The Consultant shall also discuss with city authorities applicable site issues and requirements.

### **15. Tree Preservation and Replacement Plan**

The Consultant shall prepare a set of drawings entitled "Tree Preservation and Replacement Plan" based upon the tree survey and findings during site survey and inspections. The plans shall incorporate comments from the city of Atlanta Arborists, the owner, and the Engineer. The plans shall be prepared complete to meet all permit requirements by the governing authorities. The consultant shall be responsible for providing the required specifications related to the performance of work identified on the Tree Preservation and Replacement Plans. Specifications shall be provided in electronic format using Microsoft Word.

Based on the tree density factor, no less than thirty units per acre, the tree replacement plan will show all locations of replacement tree, calculations, plant list, and planting details.

WRJ's scope of work includes the cost for attending bi-monthly progress meetings over the duration of the delivery of his work

Upon completion of the tree replacement plan, the Consultant will prepare a cost estimate for all tree planting.

## **Additional Services Required for changes in Scope:**

## **Construction Management Services (See Appendix E for cost)**

16. Provide engineering and construction management services over the 15-month duration of project construction.

17. The engineer project representative will coordinate each of the various project phases and shall:

- a. Assist with conducting and recording job meetings,
- b. Onsite inspection
- c. Assist with negotiation of change orders with the Contractor
- d. Provide field observation for conformance with project plans and specifications
- e. Conduct final Inspections and Closeout reviews.
- f. Provide as built drawings
- g. Provide services as needed

Owner: \_\_\_\_\_ Consultant: \_\_\_\_\_

## APPENDIX A

### Indian Creek

### Additional Engineering Design Services

### Budget Estimate

September 2001

Original budget for engineering services for this project was \$220,000. One hundred ten thousand (\$110,000) was allocated for segments 1 and 2, and \$110,000 for segments 3 and 4. As result of changes in scope, additions and changes resulting from citizen participation meetings and negotiations with homeowners by the city of Atlanta, additional engineering services totaling \$ \$123,900.00 was performed on this project or is work in progress. This work is being done to expedite the project to meet Consent Order guidelines that state that construction on this project should start by December 21, 2001.

The budget breakdown of the additional engineering services is as follows:

#### **Prepare Rehabilitation Plans and Specs (Segments 1,2,3 &4)**

At the city's request, WRJ prepared rehabilitation plans and specifications to rehabilitate the Existing Highland Sewer in areas where it is to remain in-place and plans and specifications to rehabilitate the Existing Eulogia Sewer in areas where it is to remain in-place. The original contract did not call for this work. WRJ's initial scope of work included the design of the trunk sewer and appurtenances only. The rehabilitation plans required the generation of 9 new plan sheets and additional field surveying to get data on sewers outside the main trunk line. Plans for Segments 1 and 2 are complete. Plans for segments 3 and 4 are under design.

Category	Hours	Cost
Engineer	240 @ \$ 95/hr.	\$ 22,800
CADD Technician	320 @ \$ 75/ hr.	\$ 24,000
Manager	40 @ \$150 / hr	\$ 6,000
<b>Total</b>		<b>\$ 52,800</b>

#### **Revise plans to accommodate changes in Alignment**

Revise plans to accommodate changes in alignment near the Cottages at Lennox, 2901 Lennox, and at Plantation at Lennox (twice) as a result of negotiations with property owners and at the request of the City of Atlanta.

Category	Hours	Cost
Engineer	180 @ \$ 95/hr.	\$17,100
CADD Technician	80 @ \$ 75/ hr.	\$ 6,000
Manager	8 @ \$150 / hr	\$ 1,200
<b>Total</b>		<b>\$ 24,300</b>

Owner: \_\_\_\_\_ Consultant: \_\_\_\_\_

**Prepare Rehabilitation Plans and Specs**

Prepare plans and specifications for connecting the proposed sewer along Ferncliff Road to the Highland Sewer west of the MARTA Rail lines. Includes Engineer time for additional railroad permit. This area was outside the scope of the original project. It was included at the request of the city ( John Griffin and Heinz Brodheim))

Category	Hours	Cost
Engineer	120 @ \$ 95/hr.	\$11,400
CADD Technician	80 @ \$ 75/ hr.\$	\$6,000
Manager	0 @ \$150 / hr	0
<b>Total</b>		<b>\$ 17,400</b>

**Hydraulic Evaluation of Developer and City requested flows**

Prepare engineering calculations and modify design plans and specifications to accommodate 72,000 gpm of additional flow to accommodate new development in the drainage basin until all phases of the project are constructed at the request of the COA. Evaluate hydraulic impact of proposed development north of Lennox Road (URS is design engineer for developer)

Category	Hours	Cost
Engineer	80 @ \$ 95/hr.	\$7,600
CADD Technician	0 @ \$ 75/ hr.	\$ 0
Manager	4 @ \$150 / hr	\$ 600
<b>Total</b>		<b>\$ 8,200</b>

**Repackaging of Specifications and Allowance for Future Change**

Multiple Repackaging of specifications to meet changing bid requirements. Additional Allowance included for future changes.

Category	Hours	Cost
Engineer	160 @ \$ 95/hr.	\$ 15,200
CADD Technician	240 @ \$ 75/ hr.	\$ 0
Manager	40 @ \$150 / hr	\$ 6,000
<b>Total</b>		<b>\$21,200</b>

**TOTAL ADDITIONAL ENGINEERING SERVICES           \$ 123,900**

Owner: \_\_\_\_\_ Consultant: \_\_\_\_\_

## APPENDIX B

### INDIAN CREEK SEWER SURVEY BUDGET ESTIMATES September 2001

The original survey budget for this project was \$ 40,000.00. As result of changes in scope, additions and changes resulting from citizen participation meetings and negotiations with homeowners by the city of Atlanta, additional surveying services totaling \$ \$52,900 were performed on this project or is work in progress. This work is being done to expedite the project to meet Consent Order guidelines that state that construction on this project should start by December 21, 2001.

#### Provide Survey Support for Preparation of Rehabilitation Plans (Segments 1,2,3 &4)

At the city's request, additional field survey was required to prepare plans and specifications to rehabilitate the Existing Highland Sewer in areas where it is to remain in-place and plans and specifications to rehabilitate the Existing Eulalia Sewer in areas where it is to remain in-place. The original contract did not call for this work. The initial scope instructed the surveyor to survey the new sewer only. The rehabilitation plans required the generation of 9 new plan sheets and additional field surveying to get data on sewers that were outside the mapping of that done for the main trunk line. Plans for Segments 1 and 2 are complete. Plans for segments 3 and 4 are under design.

Category	Hours	Cost
Registered Land Surveyor	40 @ 115 per hour	\$ 4,600
2 person survey Crew	180 @ \$ 95 / per hr.	\$ 17,100
Total		\$ 21,700

#### Provide Survey Support for Plan Revisions Caused by changes in Alignment

Provide surveying to support plan revisions to accommodate changes in alignment near the Cottages at Lennox, 2901 Lennox, and at Plantation at Lennox (twice) as a result of negotiations with property owners and at the request of the City of Atlanta, resulted in additional field survey work. Includes Preparation of plat revisions caused by changes.

Category	Hours	Cost
Registered Land Surveyor	8 @ 115 per hour	\$ 920
2 person survey Crew	80 @ \$ 95 / per hr.	\$ 7,600
Total		\$ 8,520

Owner: \_\_\_\_\_ Consultant: \_\_\_\_\_

**Provide Additional Survey along Ferncliff Road**

Provide additional survey to support preparation of plans and specifications for connecting the proposed sewer along Ferncliff Road to the Highland Sewer west of the MARTA Rail lines. Includes Engineer time for additional railroad permit. This area was outside the scope of the original project. It was included at the request of the city ( John Griffin and Heinz Brodheim))  
Work included:

1. Survey centerline of sewer alignment along Ferncliff Road and the connection with the Highland Sewer West of the MARTA
2. also pick up property pins observed.
3. Set BM @ 1000 +/- for construction (outside construction limits).
4. Locate any apparent structural changes 50 feet left or right of centerline.
5. Locate visible utilities and those marked by utility owners.

Category	Hours	Cost
Registered Land Surveyor	32 @ 115 per hour	\$ 3,680
2 person survey Crew	240 @ \$ 95 / per hr.	\$ 22,800
<b>Total</b>		<b>\$ 26,480</b>

**TOTAL ADDITIONAL SURVRYING SERVICES****\$ 56,700**

Owner: \_\_\_\_\_ Consultant: \_\_\_\_\_

## APPENDIX C

### INDIAN CREEK SEWER GEOTECHNICAL BUDGET ESTIMATES September 2001

ITEM	Quantity	Unit Price	Cost
Mobilization			\$ 300
Soil Test Borings	185 ft	\$ 15 / ft	\$ 2,775
Bulk Samples for Lab Analyses	3 samples	\$ 25.00 / ft	\$ 75.
Sieve Analyses	3 samples	\$ 90 / sample	\$ 270
Atterberg Limits Analyses	3 samples	\$ 50 / sample	\$ 150
Soil Classification			\$ 500
Geotechnical Engineer	40 hours	\$ 60 / hour	\$ 2,400
Technician	30 hours	\$ 45 / hour	\$ 2,025
Labor (Traffic Control )	32 hours	\$ 15 / hour	\$ 960
Geologist	10 hours	\$ 90 / hour	\$ 900
Reports	8 hours	\$ 28.50 / hour	\$ 228
Additional Boring Allowance			\$ 14,417
		<b>TOTAL</b>	<b>\$ 25,000.00</b>

Provide additional geotechnical services for route along Ferncliff Road and for the connection of this area to the Highland sewer west of the MARTA Rail Lines as requested by City of Atlanta in upper reaches in the Highland Sewer.

Provide rock borings at locations along sewer as determined by engineer and city of Atlanta.

Owner: \_\_\_\_\_ Consultant: \_\_\_\_\_

## **APPENDIX D**

### **INDIAN CREEK SEWER**

### **LANDSCAPE AND TREE PROTECTION BUDGET ESTIMATES**

**September 2001**

The services to be performed by the Consultant shall include all work necessary to provide Williams Russell and Johnson, Inc., with support during the performance of this Contract. The Consultant's scope is related to services provided by the landscape architect as required by this contract. It shall include the cost for providing a set of complete plans and the required specification sections needed for permitting of the tree preservation and protection plans. The Landscape architect's scope shall include the cost for attending bi-monthly progress meetings over the duration of the delivery of his work.

#### **Landscape services**

**\$ 28,745,**

Landscaping and tree protection services were not part of the original contract. At the city's request, we secured the services of a landscape architect to address landscaping issues resulting from the design. To date we have received invoices totaling \$ 28,745 that have been paid out of our design budget. The estimate for Phase 3 & 4 is \$37,000.

This fee shall be inclusive of all meeting times.

#### **Total fee for this work shall be:**

**\$28,000.00**

**Phase 1 & 2**

**\$37,000.00**

**Phase 3 & 4**

**\$5,000.00**

**Post Construction Services**

**\$70,000.00**

**Total Landscape & Tree Protection Services All Phases**

Owner: \_\_\_\_\_ Consultant: \_\_\_\_\_



## APPENDIX E

### **Indian Creek Construction Management Services Budget Estimates September 2001**

Engineering services during construction were never a part of the original design budget. These services include 1) a full time resident in the field during the entire construction process, 2) an additional inspector to cover a three-month overlap period when both phases of work are under construction and proceeding simultaneously. Cost breakdown for this work is estimated as follows

1 Resident Engineer / Inspector 2,580 hours (Review RFI's, submittals, onsite inspection, oversee work of arborist, surveyor, and geo-technical, approve field design changes, project meetings)	@ \$95.00	=	\$ 245,100
1 Office Engineer – 960 hours (Review RFI's, submittals, attend public meetings, manage work of arborist, surveyor, and geo-technical, approve field design changes, project meetings)	@ \$95.00	=	\$ 91,200
1 Manager– 160 hours (Review Change Orders, Public Meetings, QC)	@ \$150.00	=	\$ 24,000
1 CADD Technician – 200 hours As Built Drawings	@ \$75.00	=	\$ 15,000
Miscellaneous (As needed services)			\$ 20,000
<b>SUBTOTAL</b>			<b>\$ 395,300</b>

Owner: \_\_\_\_\_ Consultant: \_\_\_\_\_

**TRANSMITTAL FORM FOR LEGISLATION  
PUBLIC IMPROVEMENT PROGRAM**

TO: MAYOR'S OFFICE

GREG PRIDGEON

  
\_\_\_\_\_  
Commissioner's Signature  
\_\_\_\_\_  
Director's Signature

Originating Department DPW/Purchasing

Contact Person: Pamela Lewis x 6379  
Marie Pope 853-7503

Committee(s) of Purview City Utilities  
Committee

Council Deadline November 12, 2001

Committee Meeting Dates(s) November 27, 2001

Full Council Date December 3, 2001

**CAPTION:**

TO AUTHORIZE THE MAYOR TO APPROVE AN AMENDED NOTICE TO PROCEED WITH WILLIAMS, RUSSELL & JOHNSON, INC., FOR INDIAN CREEK TRUNK SEWER DESIGN PROJECT, IN AN AMOUNT NOT TO EXCEED SIX HUNDRED NINETY THOUSAND NINE HUNDRED DOLLARS AND NO CENTS (\$690,900.00). ALL CONTRACTED WORK SHALL BE CHARGED TO AND PAID FROM THE FOLLOWING FUND, ACCOUNT AND CENTER NUMBERS: 1C33 524001 M24I012692BB - \$18,496.74; 1C37 574001 M24I012692BB - \$348,555.44; 1C39 574001 M24I012692BB - \$323,847.82.

**FINANCIAL IMPACT (if any)**

**Mayor's Staff Only**

Received by Mayor's Office: \_\_\_\_\_

(date)

11/15/01  
(date)

Reviewed by: \_\_\_\_\_

initials)

Submitted to Council: \_\_\_\_\_

(date)

Action by Committee:

\_\_\_\_ Approved \_\_\_\_ Adverse \_\_\_\_ Held \_\_\_\_ Amended  
\_\_\_\_ Substitute \_\_\_\_ Referred \_\_\_\_ Other

**BUREAU OF PURCHASING AND REAL ESTATE  
LEGISLATION SUMMARY**

**TO:** CITY UTILITIES COMMITTEE

**CAPTION:** A resolution authorizing the Mayor to approve an amended notice to proceed with Williams, Russell & Johnson, Inc., for Indian Creek Trunk Sewer Design Project, in an amount not to exceed Six Hundred Ninety Thousand Nine Hundred Dollars and No Cents (\$690,900.00). All contracted work shall be charged to and paid from fund, account, and center numbers: 1C33 524001 M24I012692BB - \$18,496.74; 1C37 574001 M24I012692BB - \$348,555.44; 1C39 574001 M24I012692BB - \$323,847.82

**REQUESTING  
DEPARTMENT:** Department of Public Works

**CONTRACT TYPE:** Design Services

**SOURCE  
SELECTION:** N/A

**BID OPENING:** N/A

**INVITATIONS  
ISSUED:** N/A

**PROPOSALS  
RECEIVED:** N/A

**BACKGROUND:** Williams, Russell & Johnson, Inc. performed design services for the Indian Creek Trunk Sewer Design project. An amended notice to proceed is necessary to provide for additional design services due to scope changes and engineering support services during the construction of the project.

**SOURCE OF FUNDING:** BOND PROGRAM

**EVALUATION TEAM  
COMPOSITION:** DPW, BPRE